

**Distribution System
Reliability Projects
Illinois District
(2000 - 2003)**

Turkey Hollow Road (circuit 13-104-2, Rock Island Co., IL)

This project is part of an overall project from the 1998 Annual Report that involved replacing and upgrading three miles of overhead three phase distribution line that is approximately 40 to 50 years old. This final part of the overall project consists of upgrading and replacing the last mile of three miles of overhead three phase distribution line. When completed, the overall project increases the reliability to 295 customers along Turkey Hollow Road from Taylor Ridge to Andalusia Road. This final part of the overall project has not been started and is budgeted for completion in 2001.

Budgeted Cost: \$60,000 in 2001

106th & 95th Street Rebuild (circuit 13-43-1, Rock Island Co., IL)

This project is a carry over from the 1998 Annual Report. It involves the replacement of approximately 100 spans of 2.4 kV single phase overhead delta primary. The improvement increases the reliability to approximately 17 residential customers. This project has not been started and is budgeted for completion in 2001.

Expected Cost: \$ 50,000 in 2000

Budgeted Cost: \$ 50,000 in 2001

Substation 48 13 kV Feeder Exits (new feeder exits, East Moline, Illinois)

Five additional 13 kV feeder exits are planned for Substation 48 in East Moline over the next three years. This will allow unused transformer capacity at Sub 48 to be utilized to transfer loads from four adjacent substations (Substations E, 37, 46 and 47). The circuits will improve reliability by decreasing the loads on adjacent feeders, and creating smaller circuits that help sectionalize the system, so fewer customers are affected in the event of an outage.

Budgeted Cost: \$10,000 in 2000

\$50,000 in 2001

\$70,000 in 2002

4 kV to 13 kV Conversion (Sub 29, circuits 4-29-2, 4-25-1, 4-U-2, Moline, Illinois)

This project is a carry over from the 1998 Annual Report. The ongoing conversion of the 4 kV overhead distribution system continues with the elimination of 4 kV Substation 29 and the conversion of circuit 4-29-2 at 7th Street and 28th Avenue, Moline in 2000. The goal for the 4 kV system in Rock Island and Moline is to convert Substations 20 and 23 and a majority of their associated circuits by 2003.

Budgeted Cost: \$10,000 in 2000
 \$75,000 in 2001
 \$75,000 in 2002
 \$75,000 in 2003

Ophiem Rebuild/ANR Pipeline Extension (circuit 13-101-4, Ophiem, Illinois)

A new three phase line extension/rebuild project to ANR Pipeline in Ophiem, Illinois, will result in a significant rural overhead 4 kV conversion and rebuild for approximately three miles. At least one three phase stepdown (13/2.4 kV) transformer will be removed, and almost the entire overhead system of Ophiem will be rebuilt. The project has been started and is expected to be completed in 2000.

Budgeted Cost: \$154,000 in 2000